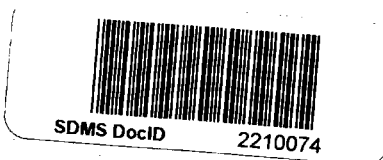


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R-585-6-9-25

ENVIRONMENTAL PRIORITIES INITIATIVE
PRELIMINARY ASSESSMENT OF
LITTON BUSINESS SYSTEMS
PREPARED UNDER

TDD NO. F3-8903-56
EPA NO. PA-2427
CONTRACT NO. 68-01-7346

FOR THE

HAZARDOUS SITE CONTROL DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

SEPTEMBER 14, 1989

NUS CORPORATION
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SECTION 1

1.0 INTRODUCTION

1.1 Authorization

NUS Corporation performed this work under Environmental Protection Agency Contract No. 68-01-7346. This specific report was prepared in accordance with Technical Directive Document No. F3-8903-56 for the Litton Business Systems site, located in York, Pennsylvania.

1.2 Scope of Work

NUS FIT 3 was tasked to conduct an Environmental Priorities Initiative (EPI) preliminary assessment of the subject site.

1.3 Summary

The site is located in York, York County, Pennsylvania. The site is an active facility located on 23.7 acres of land. The current facility on site, Cole Office Environments, which is owned by Joyce International, Incorporated, produces business furniture. Before 1984, the site was occupied by Litton Business Systems, which was owned by Litton Industries. Litton Business had produced business furniture since the late 1950s.

A Notice of Hazardous Waste Activity Form was submitted to EPA in October 1980. A Part A Hazardous Waste Permit Application was submitted in November 1980, and Litton began storing wastes under interim status.

During an inspection by the Pennsylvania Department of Environmental Resources (PA DER) on August 25, 1987, several violations were noted: failure to submit quarterly reports to PA DER, failure to clearly mark containers with accumulation dates, and storage of waste containers outside the containment area.

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Residents within the study area obtain their water from surface water and groundwater sources. One municipal water company supplies the study area with water from an intake located 5.35 miles upstream of the site. Private domestic wells are also used within the study area. Approximately 1,500 people are served by groundwater. The closest well to the site is approximately 1.3 miles north of the site.

During the FIT 3 preliminary assessment of the site on April 26, 1989, no evidence of spills, releases, or on-site disposal was noted. Five solid waste management units (SWMUs) were identified for the site: the wastewater treatment system (WWTS), the drum storage area, the filter cake sludge container, the empty underground storage tank, and the dumpster for the storage of cleaning rags spray unit filters, and the cardboard used to catch paint drippings. The WWTS is located in the plant and is completely fenced. All other SWMUs are found outside of the plant, and none are fenced. For a detailed description of each of the above-mentioned SWMUs and the wastes managed, please refer to section 4.0 of this report.

Wastes found on site include waste solvents (80 percent toluene and 20 percent acetone), deionizer unit wastes, which are highly acidic and caustic, emulsified alkaline solutions from paint-stripping operations, and, from 1982 until 1987, zinc solutions and chrome brighteners from electroplating operations.

Spent waste and paint solvents are transported by Edward Armstrong and Sons, Incorporated (EPA ID No. PAD014286009) to Berkley Products Company (EPA ID No. PAD003003894). Waste paint and waste methylene chloride are transported and incinerated by Frontier Chemical Waste Process (permit no. NY043815703). Wastewater treatment sludges and spent plating solutions are transported and treated by Envirote Corporation (permit no. PAD085690592). Plating wastes are transported by Edward Armstrong and Sons, Incorporated (permit no. PAD014286009) to Chem-Clear, Incorporated (permit no. MDD980555189). Spray unit filters, cleaning solvent rags, and cardboard used to catch paint drippings are hauled to Modern Landfill (permit no. 100113).^{2,3}

A total of approximately 213,840 gallons of wastes are produced and transported off site each year.

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SECTION 2

2.0 THE SITE

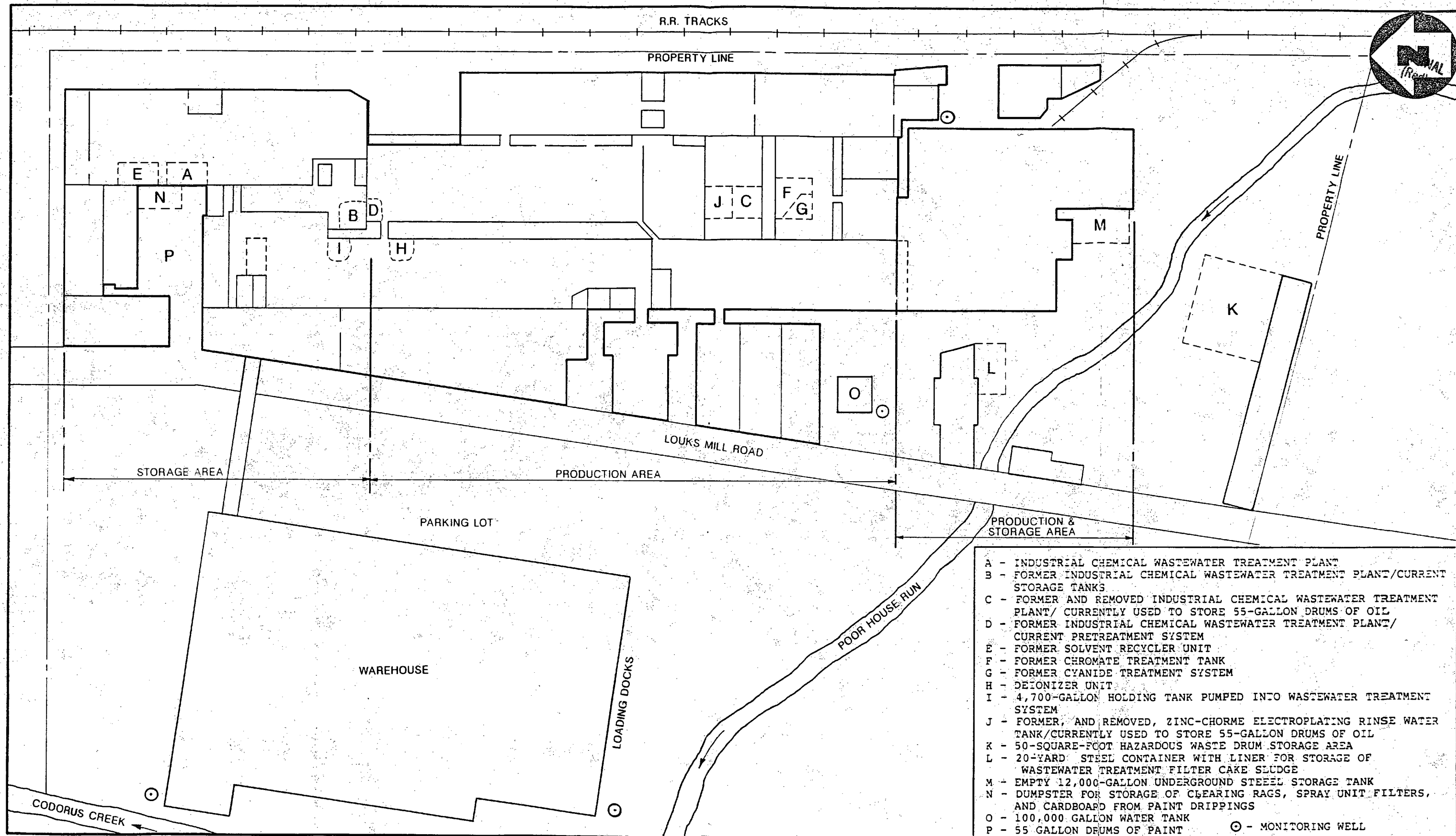
2.1 Location

The subject site is located 0.9 mile south-southeast of the intersection of United States Interstate 83 and United States Federal Route 30 in York, York County, Pennsylvania (see figure 2.1, page 2-2). The site is located at 41° 30' 15" north latitude and 76° 46' 30" west longitude on the United States Geologic Survey (U.S.G.S.) topographic map for York, Pennsylvania. It can be measured 17.5 inches north and 1.5 inches east from the southwestern corner of the map.¹

2.2 Site Layout

The site is approximately 23.7 acres in size. Poor House Run flows northwestwardly through the southern portion of the property to meet Codorus Creek, which is located about 200 feet west of the site and flows northwardly. Railroad tracks border the site to the east. Industrial properties lie to the north and south of the site (see figure 2.2, page 2-3).¹

Louks Mill Road runs approximately north-south through the site. The plant building lies on the eastern side of Louks Mill Road, and a warehouse, used for the storage of the finished product, and a parking area lie on the western side of the road. The two buildings are connected by a second-floor conveyor that passes over the road.²



SITE SKETCH
LITTON BUSINESS SYSTEMS
 (NO SCALE)

FIGURE 2.2



The former solvent recycler unit is located in the northern portion of the storage section in the plant (see location E on figure 2.2, page 2-3). The industrial chemical wastewater treatment plant (A) is located just south of the recycler unit, in the storage section inside the plant. A dumpster (N), used for the temporary storage of cleaning rags, spray unit filters, and cardboard used to catch paint drippings, is located just west of the treatment plant and the recycler unit, outside the storage section of the plant. The 55-gallon drums of paint (P) are stored outside the plant building in the storage section just west of the treatment plant. A 4,700-gallon holding tank (I) is located south of the paint storage area, along the southern edge of the storage section, in the plant building. The former industrial chemical wastewater treatment plant, which currently acts as storage tanks (B), is located just east of the holding tank in the storage section of the plant. A former industrial chemical wastewater treatment plant, which currently acts as the pretreatment system (D), is located just south of the former treatment plant/current storage tanks in the northernmost section of the production section in the plant. The deionizer unit (H) is located just west of the former treatment plant/current pretreatment system in the production section of the plant. The former (since removed) industrial chemical wastewater treatment plant (C) is located just south of the former electroplating rinsewater tank area in the production section of the plant. Oil is currently stored in 55-gallon drums in this area. The oil is used for production. The former chromate treatment tank (F) is located south of the former and removed treatment plant in the production section of the plant. The former cyanide treatment system (G) is located just southwest of the chromate treatment tank in the production section of the plant. An empty 12,000-gallon underground steel storage tank (M) is located just outside the plant on the southern edge of the production and storage section of the plant. A 20-cubic-yard steel container that stores the wastewater treatment filter cake sludge (L) is located west of the production and storage section of the plant. A 50-square-foot hazardous waste drum storage area (K), which was surrounded by a 6-inch dike that was being rebuilt at the time of the site visit, is located south of the plant and adjacent to a garage located on the southern edge of the property. A 100,000-gallon water tank (O) is located west of the plant and north of the 20-cubic-yard steel container.^{2,3,4}

Four monitoring wells are located on site. One well is located at the northwestern corner of the warehouse, and another well is located at the southwestern corner of the warehouse. A third well is located at the southwestern corner of the 100,000-gallon water tank. The fourth well is located just east of the production and storage section of the plant (see appendix A for quarterly report).^{2,3}

The site is not fenced, although there is a gateway at the office.²

2.3 Ownership History

The site is currently owned by Cole Office Environments, Incorporated, a division of Joyce International, Incorporated. In July 1984, Joyce International, Incorporated purchased the corporation, then known as Cole Business Furniture, from Litton Industries, which had owned Litton Business Systems since the late 1950s. Ownership prior to Litton is unknown.³

2.4 Site Use History

Cole Office Environments, Incorporated is an active producer of business furniture. Production involves the use of emulsified alkaline solutions in paint-stripping operations, acidic and caustic solutions to control the pH of the washer solution, which is important in cleaning metal cabinets, and solvents in cleaning the paint spray lines. Litton produced the same product and used the same manufacturing techniques. Site use prior to ownership by Litton is unknown.^{3,4}

2.5 Permit and Regulatory Action History

Litton Business Systems submitted a Notification of Hazardous Waste Activity to EPA in October 1980 and was assigned EPA ID No. PAD052917846. Following the submission of a Part A Hazardous Waste Permit Application in November 1980, Litton Business Systems was granted interim status as a generator and storage facility. Identified waste that the company could handle was classified as D000, D001, F006, F008, F017, F018, and U220 (see appendix B).⁵ No further permit information was located for Litton Business Systems during a file search or on-site conversations with site representatives.

A Notice of Hazardous Waste Activity Form was submitted to PA DER in April 1986 for change of ownership from Litton International to Joyce International, Incorporated. The EPA identification number was not changed. An inspection by PA DER on August 25, 1987 found the following hazardous wastes produced at the site: D001, F005, and F006. At the time of the FIT site visit, the following hazardous wastes were found to be generated on site: D001, D002, D007, D008, F001, F003, F005, and F006.^{4,6}

Cole Office Environments is inspected annually by PA DER. During the inspection on August 25, 1987, several violations were noted: failure to submit quarterly reports to PA DER, failure to clearly mark containers with accumulation dates, failure to properly label, mark, and store waste in proper containers, failure to ship wastes within the 90-day limit, improper storage of waste containers outside the containment area, and failure to completely document inspections (see appendix C).⁶

Spent wastes and paint solvents are transported by Edward Armstrong and Sons, Incorporated (EPA ID No. PAD014286009) to Berkley Products Company (EPA ID No. PAD003003894). Waste paint and methylene chloride are transported and treated by Frontier Chemical Waste Process (EPA ID No. NYD043815703). Wastewater treatment sludges and spent plating solutions are transported and treated by Envirite Corporation (EPA ID No. PAD010154045). Paint sludges and nonhazardous liquid waste are transported and treated by Waste Conversion (ID No. PAD085690592). Spent plating solutions are transported by Edward Armstrong and Sons, Incorporated (EPA ID No. PAD014286009) to Chem-Clear, Incorporated (EPA ID No. MDD980555189). Spray unit filters, cardboard used to catch paint drippings, and cleaning solvent rags are transported off site and disposed at Modern Landfill under permit number 100113, which was approved on March 14, 1989.^{4,6}

The facility discharges noncontact cooling water into Poor House Run through NPDES Permit No. PA0035912.³

Effluent from the site is discharged into the York Municipal Sewer System. The facility has a permit for the discharge; however, site representatives could not locate the permit or number.^{3,6}

2.6 Remedial Action to Date

No remedial action is known to have taken place.³

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SECTION 3

3.1 Water Supply

3.2 Surface Waters

The York Water Company obtains water from a pumping station located 5.35 miles upstream from the site on the South Branch of Codorus Creek. The company also utilizes two compound dams in the event of a water shortage on the South Branch of Codorus Creek. The dams are located 8.55 miles upstream of the site.^{1,7,8,9}

Surface water within three miles of the site is used for recreational purposes. No freshwater wetlands were found within one mile of the site.¹

3.3 Hydrogeology

The geologic and hydrogeologic conditions in the study area were researched as part of the site investigation. A preliminary literature review was conducted to determine surface and subsurface geologic conditions, soil character, and the status of groundwater transport and storage.

3.3.1 Geology

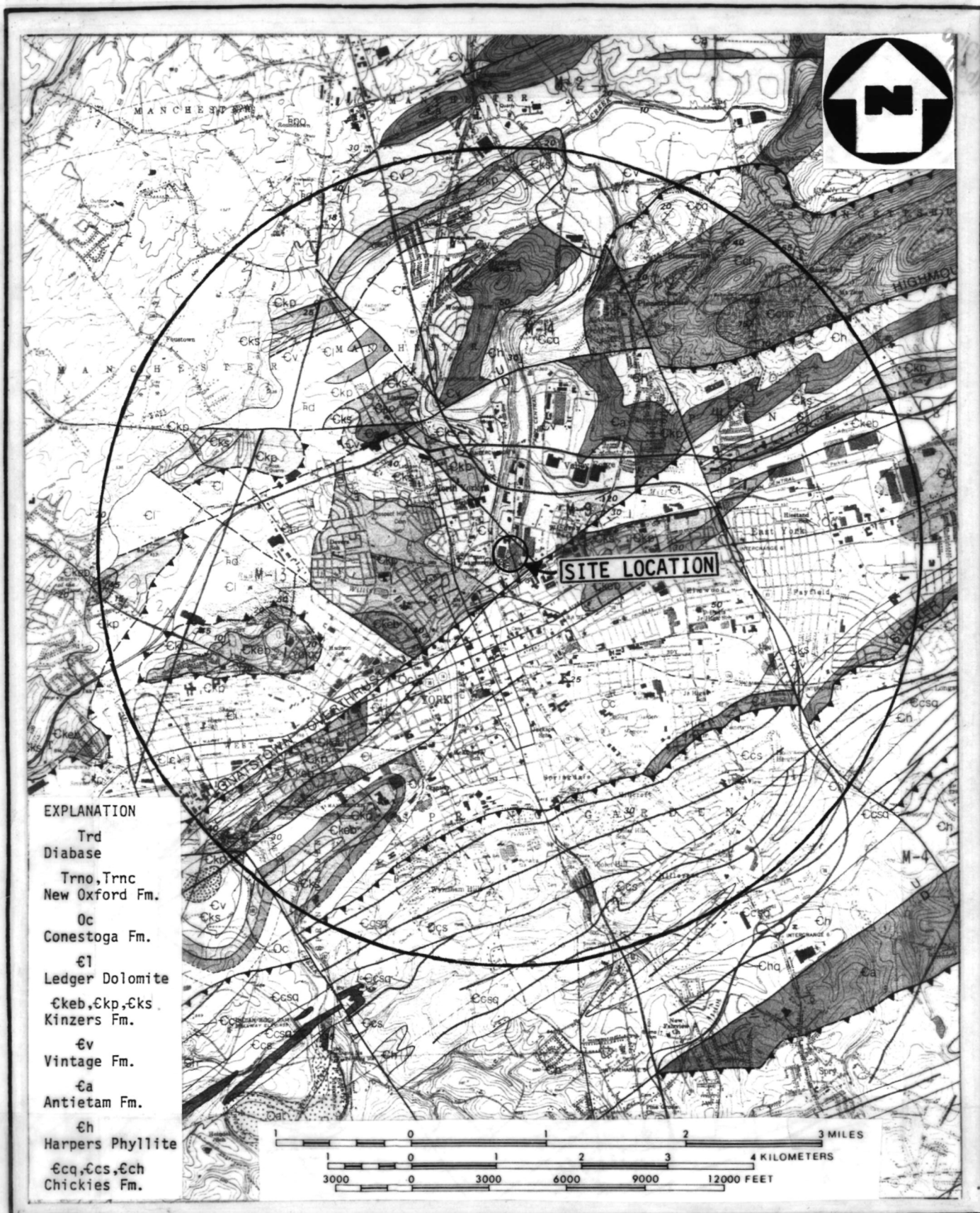
The Litton Business Systems site is located in the Conestoga Valley Section of the Piedmont Physiographic Province. The section is underlain chiefly by Cambrian and Ordovician age carbonate rocks and shale that are complexly folded and faulted. Several northeast-southwest-trending thrust faults cut through the study area. The Gnatstown Overthrust cuts the area about 0.1 mile southeast of the site. A northwest-southeast-trending fault cuts just north of the site. The area is gently rolling, with rounded hills and broad valleys.^{11,12}

The site is underlain by the Cambrian age Kinzers Formation (see figure 3.1, page 3-3). The lower shale member of the Kinzers Formation is a dark gray, buff-weathering, iron-stained, fissile shale. The middle member of the Kinzers Formation consists of a dark blue to blue-gray crystalline limestone of variable composition. The upper earthy buff limestone member consists of gray-brown to tan, sandy, porous, leached limestone containing dark, argillaceous, and shaly interbeds. The thickness of the Kinzers Formation varies but averages about 200 feet.^{11,13}

The Cambrian age Vintage Formation underlies the Kinzers Formation and consists of blue-gray, knotty dolomite; gray, fine-grained interbedded dolomite and limestone; massive gray dolomite; and some laminated mobile. The thickness averages about 500 feet.^{11,13}

Underlying the Vintage Formation is the Cambrian age Antietam Formation, which is a gray, fine- to medium-grained, hard, vitreous quartzite. The lower portion is laminated, phyllitic, and micaceous. The estimated thickness is approximately 200 feet.¹³

The Cambrian age Harpers Phyllites is a greenish-gray, argillaceous, quartzose phyllite that has interlayered quartz zones parallel to a well-developed cleavage. Mica flakes are outstanding on the cleavage surface. The thickness is estimated to be about 800 feet.^{11,13}



Source: Geology & Mineral Resources Map of the Greater York Area, PA

GEOLOGIC MAP
LITTON BUSINESS SYSTEMS, INC.
YORK, PA

FIGURE 3.1



The Cambrian age Chickies Formation, which underlies the Harper Phyllite, has two distinct units. One unit is a light gray, hard, massive, well-bedded quartzite containing some thin blank slate partings. The Hellam Conglomerate, a hard quartz-pebble conglomerate, is present at the base. The second unit is a dark brown to black, micaceous, phyllitic slate containing numerous quartz veins. The thickness of the total formation is 900 to 1,000 feet.¹³

The Cambrian age Ledger Formation overlies the Kinzers Formation. The formation is composed of light gray to pink, coarsely crystalline, thick-bedded, pure dolomite that has a chert horizon near the top. The thickness is estimated to be about 1,000 feet.¹³

Overlying the Ledger Formation is the Ordovician age Conestoga Formation, which is a gray, thin- to medium-bedded, sandy, impure limestone with thin shale partings and a limestone conglomerate at the base. The thickness is unknown due to the complex folding of the formation.¹³

The Triassic age New Oxford Formation unconformably overlies the older formations along the northwestern edge of the study area. The New Oxford Formation consists of red shale and mudstone with interbedded red and gray sandstone and some conglomerate. The thickness is approximately 6,000 feet.¹³

A Triassic age diabase dike cuts through the western half of the study area. The dike consists of hard, fine- to medium-crystalline, gray diabase, which is composed of plagioclase, feldspar, and augite.¹³

3.3.2 Soils

The soil mapped at the site is the Lindsides silt loam. The Lindsides soils are deep and moderately well drained. The soil is a brown to yellowish-brown silt loam with a pH between 5.8 and 6.0. Permeability is moderately rapid.¹⁴

3.3.3 Groundwater

In the bedrock, groundwater is stored and transmitted principally along solution channels, fractures, joints, and bedding-plane separations. Solution channels are the main influence on water movement in carbonate rocks. These channels allow the storage and transmission of large quantities of water, sometimes several miles before discharging.^{11,13}

All of the formations in the study area have aquifer potential. The Conestoga Formation is capable of yielding moderate to large quantities of water to wells with yields ranging between 0 and 250 gallons per minute (gpm). The Kinzers Formation yields small to moderate amounts of water to wells. The Vintage Formation, New Oxford Formation, and Chickies Formation are capable of sufficient yields for small public and some industrial supplies. Well yields range from less than 1 to 300 gpm, with median yields of 7 to 11 gpm. The Ledger dolomite is one of the most productive aquifers in the Conestoga Valley Section, with yields from 3 to 800 gpm and a median yield of 65 gpm. The Antietam Formation and Harpers Phyllite generally yield sufficient groundwater for domestic supplies. Well yields range from 1 to 250 gpm, with median yields of 6 to 8 gpm.^{11,13}

The groundwater is under water-table conditions, with local areas of artesian conditions. The bedrock units are hydraulically interconnected through fractures. Depth to groundwater at the site is unknown but is expected to be less than 20 feet. The direction of shallow groundwater flow at the site is expected to be to the north-northwest, toward Codorus Creek.^{11,13}

3.4 Climate and Meteorology

The climate of the study area is classified as humid continental. Weather in this area is mainly influenced by prevailing westerly winds from the interior of the continent. The average temperature for the study area is 62.5°F. Summers are generally warm, with an average temperature of 70°F, while winters are generally cold, with an average temperature of 38°F.¹⁵

Precipitation is fairly evenly distributed throughout the year. The study area has an annual precipitation of 44 inches. The annual evapotranspiration is 34 inches. The net precipitation for this area is 10 inches. A 1-year, 24-hour rainfall for this area is 2.5 inches.^{15,16}

3.5 Land Use

The area immediately surrounding the site to the northeast and south is zoned industrial. Codorus Creek is located 200 feet west of the site. Urban areas are located east, south, and west, and Interstate 83 and Route 250 are located to the north. A quarry is located 0.7 mile northeast of the site.^{1,2}

3.6 Population Distribution

The population within 1 mile of the site was determined to be 24,055. The population between 1 and 2 miles of the site is 32,161. The population between 2 and 3 miles of the site is 19,800. The populations of the outlying areas of York were determined through a house count, using U.S.G.S. topographic maps and the Rand McNally Commercial Reference Map and Guide.^{1,17,18}

3.7 Critical Environments

No species of concern have been identified within the study area.¹⁹

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SECTION 4

4.0 WASTE TYPES AND QUANTITIES

Hazardous wastes generated on site have been classified by the facility as including the following EPA RCRA waste codes: D001, D002, D007, D008, F001, F003, F005, and F006. The waste codes presented were derived from the facility's transport and disposal manifests and may not totally represent all wastes present on site.^{3,20}

The facility produces waste solvents from the cleaning of paint spray lines. These solvents are 80 percent toluene and 20 percent acetone. The deionizer unit wastes that are generated are highly acidic and caustic. Emulsified alkaline solutions are generated by paint-stripping operations. From 1982 until 1987, zinc solutions and chrome brighteners were generated from electroplating operations.^{3,4}

Based on past shipping manifests, approximately 17,820 gallons of hazardous waste are removed from the facility every 90 days. Spent waste and paint solvents are transported by Edward Armstrong and Sons, Incorporated (EPA ID No. PAD014286009) to Berkley Products Company (EPA ID No. PAD003003894). Waste paint and waste methylene chloride are transported and incinerated by Frontier Chemical Waste Process (permit no. NYD043815703). Wastewater treatment sludges and spent liquid from plating solutions are transported and treated by Envirite Corporation (permit no. PAD010154045). Wastewater treatment sludges and paint sludges are transported and treated by Waste Conversion (permit no. PAD085690592). Plating wastes from the plating bath are transported by Edward Armstrong and Sons, Incorporated (EPA ID No. PAD014286009) to Chem-Clear, Incorporated (permit no. MDD980555189). Spray unit filters, cleaning solvent rags, and cardboard used to catch paint drippings are kept in a dumpster and hauled to Modern Landfill (Solid Waste Permit No. 100113).^{3,20}

4.1 Solid Waste Management Units

Five SWMUs have been identified for the facility: WWTS, the drum storage area, the filter cake sludge container, the empty underground storage tank, and the dumpster for the storage of cleaning rags, spray unit filters, and cardboard used to catch paint drippings.²

4.1.1 SWMU No. 1

Wastewater Treatment System

The current industrial chemical wastewater treatment plant consists of a 4,700-gallon influent equalization tank, two 500-gallon poly pH reaction tanks, a 300-gallon poly flocculation tank, a 3,000-gallon fiberglass clarifier tank, a continuous backflush sand filter steel tank, a 2,200-gallon steel sludge holding tank, a 1,000-gallon poly effluent tank, a sludge dewatering filter press, and influent-effluent and chemical feed pumps. The treatment plant is fenced and surrounded by a six-inch dike. The treatment plant received zinc-chrome electroplating waste from 1982 until 1987. Plating operations were discontinued in the fall of 1987. The flow from the plating rinse holding tanks was 4,000 gallons per day (gpd). Flow from the phosphate washer rinse holding tanks is 10,000 gpd. Flow from the intermediate WWTS is 1,000 gpd. The flow of the deionizer unit waste, a highly caustic solution, is 300 gpd. Sample results from the monthly wastewater treatment monitoring report for January 1989 can be found in appendix D. Effluent from this plant is discharged into the York municipal sewer line.^{2,3,4}

The phased-out industrial chemical wastewater treatment plant, which currently acts as storage tanks, was in operation from 1974 until September 1982 and consisted of two 1,100-gallon steel tanks. Both tanks, one used for chemical precipitation and the other for clarification of the sludge, were pumped to a sludge filter paper dewatering device. This system treated all rinse water from the phosphate washer systems and the emulsified alkaline solutions from the paint-stripping operations. The flow through this system was 10,000 gpd. Effluent was discharged into the York municipal sewer system. Wastewater plant limitations for phosphate removal did not comply with PA DER outfall standards. The duration of this nonconformance is unknown. The results of the effluent analysis from June to August 1982 can be found in appendix E.^{2,3,4}

The former and removed industrial chemical wastewater plant, which operated from 1974 until September 1982, consisted of two 1,100-gallon steel tanks. One tank was used for chemical precipitation and the other for clarification. The sludge was pumped to a sludge filter paper dewatering device. This system treated all rinsewater from the electroplating zinc-chrome operations, which included alkaline cleaners, zinc solution, and chrome brighteners. Wastewater limitations for zinc, aluminum, iron, and total suspended solids did not comply with PA DER's outfall standards. The duration of this nonconformance is unknown. The results of the effluent analysis from July until September 1982 can be found in appendix F.^{3,4}

The former industrial chemical wastewater treatment plant and current pretreatment system, which has been in operation since October 1982, consist of a 2,200-gallon steel tank, three 900-gallon steel tanks, and a sludge filter paper dewatering device. This unit collects the first-stage washer system cleaning solution (a nonregulated alkaline oily solution) in the 2,200-gallon steel tank. The oil is separated inside the tank and metered into the wastewater flow. This tank is also used for the nonregulated spent phosphatizing waste solution from the washer systems. The solution is drained into the tank and then pumped to a 5,000-gallon tanker truck and hauled away. The paint stripper rinse water is a nonregulated emulsified alkaline solution. The rinse waters are pumped into the 900-gallon steel tanks, where the paint pigments and resins are separated from the rinse water. The paint pigments and resins are transferred to a steel drum, and the rinse water is metered into the wastewater flow.^{3,4}

The former solvent recycler unit was installed in 1988 and was tested in June 1988. Spent solvents from the paint spray line operations contain excess amounts of paint, which caused the recycler unit to malfunction; therefore, the unit was never put into operation.^{3,4}

The former chromate treatment tank, a 3,000-gallon steel tank and chemical feeders, operated from 1974 until 1984. The chrome reduction treatment system was phased out because the chrome brightener rinse water flows were diverted to the plating rinse water transfer tank and treated at the wastewater treatment plant. The unit treated 4,500 gpd.^{3,4}

The former cyanide treatment system consisted of a 2,000-gallon steel tank, gas chlorinators, air diffusers, and chemical feeders.⁴

The deionizer units utilize acidic and caustic solutions to control the pH of the phosphate washer solution. The deionizers must be backflushed daily. This highly caustic hazardous waste is transferred into a 900-gallon poly tank and then slowly metered into the wastewater treatment system.⁴

A 4,700-gallon steel, rubber-lined holding tank with sump pump collects phosphate cleaning rinse tanks, deionizer backwash water, and effluents from the pretreatment system. The waste is then pumped into the equalization tank in the wastewater treatment plant.^{2,3,4}

The former (since removed) zinc-chrome electroplating rinse water tank consisted of a 2,300-gallon steel tank with a centrifugal pump. Rinse waters from the plating operations were collected in the tank and then pumped to the former wastewater treatment system.⁴

Date of Start-Up

The wastewater treatment plant has been active since approximately 1974.^{3,4}

Date of Closure

No closure date for the wastewater treatment system has been determined by facility representatives.^{3,4}

Wastes Managed

The wastewater treatment plant receives phosphate washer rinse, emulsified alkaline solution, a cleaner with an alkaline oil solution from the pretreatment system, and highly acidic and caustic solutions from the deionizer unit. After treatment, the effluent is discharged into the York municipal sewer system. The facility has a permit for the discharge, but site representatives could not locate it. An average of 12,500 gpd are discharged from the system.^{3,4}

Release Controls

The wastewater treatment system is located inside the plant on a concrete base. The area is surrounded by a six-inch dike and an eight-foot chain-link fence.²

History of Releases

No releases from this area have been reported. No evidence of spills or releases from this area was noted during the site visit.^{2,3,4}

4.1.2 SWMU No. 2 **Drum Storage Area**

The drum storage area is an unfenced, approximately 50-square-foot area of the parking lot. It is bordered with a six-inch-high dike. The southern edge is bordered by a storage garage. The drum storage area slopes slightly to the north. Nonregulated waste in 55-gallon steel drums and hazardous waste in 55-gallon steel drums are stored here less than 90 days, until they are shipped off site.^{2,3,4}

Date of Start-Up

The drum storage area has been in use since before 1980. Facility representatives could not specify an actual start date.^{3,4}

Date of Closure

No closure date for the drum storage area has been determined by facility representatives.^{3,4}

Wastes Managed

Spent waste and paint solvents, such as acetone and toluene (F003 and F005), waste paint (F003, F005, and D001), waste methylene chloride (F001), flammable liquid (D001), paint sludges (D008), and nonhazardous liquid wastes are stored in 55-gallon steel drums less than 90 days.³

Release Controls

The drum storage area is a 50-square-foot area on an asphalt parking lot surrounded by a 6-inch dike. The area slopes gently to the north, toward Poor House Run. No compensation for the slope has been made in the diking. The dike was being rebuilt at the time of the site visit. No temporary containment was noted.³

History of Releases

No releases from this area have been reported. No evidence of spills or releases from this area was noted during the site visit.^{2,3,4}

4.1.3 SWMU No. 3
Filter Cake Sludge Container

A 20-cubic yard steel container with a plastic liner is used to store and transport the nonregulated wastewater treatment filter cake sludge.^{2,3,4}

Date of Start-Up

The filter cake sludge container has been in use since before 1980. Facility representatives could not specify an actual start date.^{3,4}

Date of Closure

No closure date for the sludge container has been determined by facility representatives.^{3,4}

Wastes Managed

Wastewater treatment sludges (F006) are stored in the 20-cubic-yard steel container.^{3,4}

Release Controls

The 20-cubic-yard steel container is lined with plastic and is located on a concrete pad under a canvas tarp.^{2,3,4}

History of Releases

No releases from this area have been reported. No evidence of releases was noted during the site visit.^{2,3,4}

4.1.4 SWMU No. 4
Underground Storage Tank

An empty 12,000-gallon underground steel storage tank was used to store spent solvents from the paint spray lines. The solvents were 80 percent toluene and 20 percent methyl ethyl ketone. In 1978, the solvents were pumped into tanker trucks and hauled off site. The tank has been empty since 1978.^{3,4}

Date of Start-Up

The site representative could not specify a date of start up for the storage tank.^{3,4}

Date of Closure

The solvents were pumped out of the tank in 1978. The tank has remained empty since that time.^{2,3,4}

Wastes Managed

The underground tank was used for storage of spent solvents (80 percent toluene and 20 percent methyl ethyl ketone) from the paint spray lines.⁴

Release Controls

The 12,000-gallon underground steel storage tank is encased in concrete. Access to the tank is through a manhole.^{2,3}

History of Releases

No releases from the storage tank have been reported and none were observed during the site visit.^{2,3}

4.1.5 SWMU No. 5

Dumpster For Storage of Cleaning Rags, Spray Unit Filters, and Cardboard Used to Catch Paint Drippings

Solvent cleaning rags, spray unit filters, and oven-dried cardboard used to catch paint drippings are kept in a 20-cubic-yard dumpster with a plastic liner. The waste is then hauled off site to Modern Landfill (Solid Waste Permit No. 100113, approved on March 14, 1989).^{2,3}

Date of Start-Up

This dumpster has been in use since approximately 1983.³

Date of Closure

No closure date for the dumpster has been determined by facility representatives.³

Wastes Managed

The dumpster is used for the temporary storage of solvent cleaning rags, spray unit filters, and over-dried cardboard used to catch paint drippings.³

Release Controls

The steel dumpster is lined with plastic. No other controls were noted.²

History of Release

No releases from the dumpster have been reported. No evidence of releases was noted during the site visit.^{2,3}

ORIGINAL
(Red)

SECTION 5

5.0 FIELD TRIP REPORT

5.1 Summary

On Wednesday, April 26, 1989, NUS FIT 3 staff members Edie Gair, David Spencer, and Joseph Marchesani visited the Litton Business Systems site in York, York County, Pennsylvania. The purpose of the visit was to conduct an EPI preliminary assessment of the site. The weather at the time of the visit was cloudy and warm, with a temperature of about 60°F. Photographs were taken on site (see figure 5.1, page 5-4, and the photograph log, section 5.4).

5.2 Persons Contacted

5.2.1 Prior to Field Trip

Garen MacDonald
Facility Manager
Cole Office Environments
640 Whiteford Road
P.O. Box M-26
York, PA 17405-7026
(717) 854-1545

Edward Falkenstein
Wastewater Treatment Plant
Supervisor
Cole Office Environments
640 Whiteford Road
P.O. Box M-26
York, PA 17405-7026
(717) 854-1545

James Harper
U.S. EPA
841 Chestnut Building
Ninth and Chestnut Streets
Philadelphia, PA 19107
(215) 597-3182

5.2.2 At the Site

Edward Falkenstein
Wastewater Treatment Plant
Supervisor
Cole Office Environments
640 Whiteford Road
P.O. Box M-26
York, PA 17405-7026
(717) 854-1545

5.2.3 Water Supply Well Information

The immediate area surrounding the site is serviced by public water. No private wells were identified within one mile of the site; therefore, no home well surveys were distributed.

5.3 Site Observations

- The background HNU reading was 0.2 ppm; no readings above background were recorded.
- The mini-alert was set on the X1 scale; no readings above background were recorded.
- The site was approximately 23.7 acres in size.
- The site was relatively flat, with a slight slope toward Poor House Run, which flows through the site.
- Codorus Creek was located approximately 200 feet west of the site.
- No stained soils were noted.
- The site was bordered on the north, east, and south by industrial facilities.
- The site was not completely fenced.

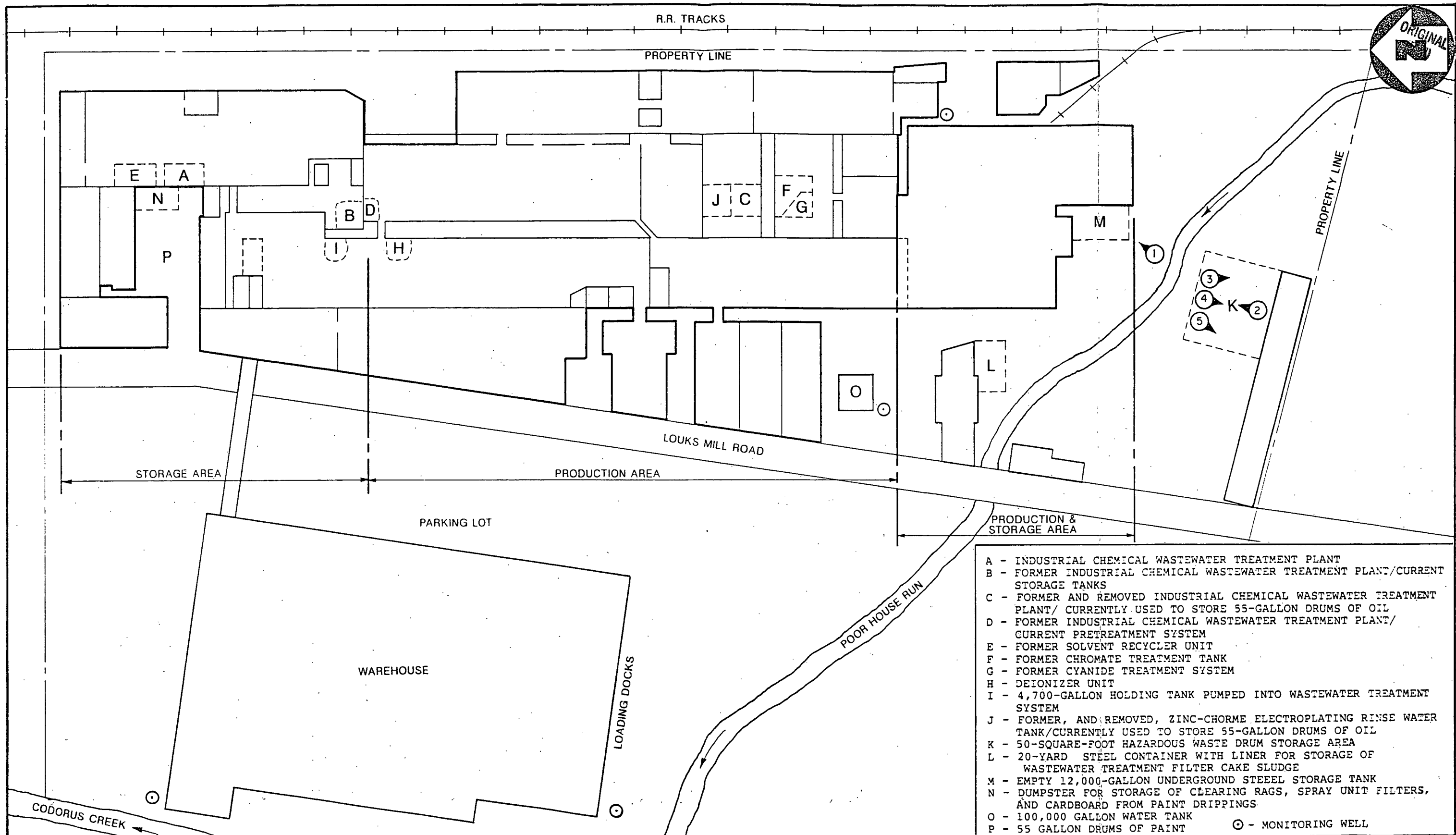


PHOTO LOCATION MAP
LITTON BUSINESS SYSTEMS

(NO SCALE)

FIGURE 5.1





Photo 1
Empty Underground Storage Tank
Looking Northeast



Photo 2
55-Gallon Drum Waste Storage Area
Looking North

Litton Business Systems
F3-8903-56
PA-2427

RI P1
Photo No. 1

Empty Underground Storage Tank
Looking Northeast

4/26/89

Taken by



Dave Spencer

920

Litton Business System
F3-8903-56
PA-2427

RI P2
Photo No. 2

55-Gallon Drum
Waste Storage Area

4/26/89

Taken by



Dave Spencer

930




Photos 3, 4, & 5
Pan of 55-Gallon Drum Waste Storage Area
Looking South

ORIGINAL
(P-1)

Litton Business Systems
F3-8903-56
PA-2427

Pan of
55-Gallon Drum Wa
Looking South

4/26/89
Taken by


Dave Spencer

Litton Business Systems
F3-8903-56
PA-2427

Pan of
Waste
Looking

4/26/89
Taken by


Dave Spencer

Litton Business Systems
F3-8903-56
PA-2427

Pan of 55-Gallon Drum
Waste Storage Area
Looking South

4/26/89
Taken by


Dave Spencer

RI P3
Photo No. 3

935

ORIGINAL
(Red)

**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT****I. IDENTIFICATION**01 STATE 02 SITE NUMBER
PA 2427**II. SITE NAME AND LOCATION**

01 SITE NAME (Legal, common, or descriptive name of site) Litton Business Systems		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 601 Loucks Mill Road			
03 CITY York	04 STATE PA	05 ZIP CODE 17405-7026	06 COUNTY York	07 COUNTY CODE 133	08 CONG DIST PA19
09 COORDINATES LATITUDE 41° 30' 15"		LONGITUDE 76° 46' 30"			

10 DIRECTIONS TO SITE (Starting from nearest public road)

Follow Route 83 to exit 8. Follow Route 30 west and turn right onto George Street. At the end of George Street, continue around the bend onto Loucks Mill Road. The site is 1,000 feet ahead on the right.

III. RESPONSIBLE PARTIES

01 OWNER (If known) Joyce International, Incorporated		02 STREET (Business, mailing, residential) 640 Whiteford Road			
03 CITY York	04 STATE NY	05 ZIP CODE ()	06 TELEPHONE NUMBER ()		
07 OPERATOR (If known and different from owner) Cole Office Environments		08 STREET (Business, mailing, residential) 640 Whiteford Road			
09 CITY York	10 STATE PA	11 ZIP CODE 17405-7026	12 TELEPHONE NUMBER (717) 854-1545		
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: 8/18/80 MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: _____ MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 4/26/89 MONTH DAY YEAR <input type="checkbox"/> NO		02 BY (Check all that apply) <input type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): NUS Corporation, FIT 3			
03 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		04 YEARS OF OPERATION late 1950s present UNKNOWN BEGINNING YEAR ENDING YEAR			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Waste paint, waste methylene chloride, wastewater treatment sludges, and nickel and chrome plating solutions.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

A spill in the drum storage area would have the potential to reach Poor House Run and migrate to Codorus Creek.

V. PRIORITY ASSESSMENT**01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)**

☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☒ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT James Harper	02 OF (Agency Organization) U.S. EPA		03 TELEPHONE NUMBER (215) 597-3182	
04 PERSON RESPONSIBLE FOR ASSESSMENT Edie Gair	05 AGENCY NUS	06 ORGANIZATION FIT 3	07 TELEPHONE NUMBER (215) 687-9510	08 DATE 5/30/89 MONTH DAY YEAR



I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	2427

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

<p>01 PHYSICAL STATES (Check all that apply)</p> <p><input type="checkbox"/> A. SOLID <input type="checkbox"/> E. SLURRY</p> <p><input type="checkbox"/> B. POWDER, FINES <input checked="" type="checkbox"/> F. LIQUID</p> <p><input checked="" type="checkbox"/> C. SLUDGE <input type="checkbox"/> G. GAS</p> <p><input type="checkbox"/> D. OTHER _____ (Specify)</p>	<p>02 WASTE QUANTITY AT SITE (Measure of waste quantities must be independent)</p> <p>TONS <u>7</u></p> <p>CUBIC YARDS <u>20</u></p> <p>NO. OF DRUMS <u>41</u></p>	<p>03 WASTE CHARACTERISTICS (Check all that apply)</p> <p><input type="checkbox"/> A. TOXIC <input type="checkbox"/> E. SOLUBLE <input type="checkbox"/> I. HIGHLY VOLATILE</p> <p><input checked="" type="checkbox"/> B. CORROSIVE <input checked="" type="checkbox"/> F. INFECTIOUS <input type="checkbox"/> J. EXPLOSIVE</p> <p><input type="checkbox"/> C. RADIOACTIVE <input checked="" type="checkbox"/> G. FLAMMABLE <input type="checkbox"/> K. REACTIVE</p> <p><input type="checkbox"/> D. PERSISTENT <input checked="" type="checkbox"/> H. IGNITABLE <input type="checkbox"/> L. INCOMPATIBLE</p> <p> <input type="checkbox"/> M. NOT APPLICABLE</p>
---	---	--

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	20	cubic yards	
OLW	OILY WASTE			
SOL	SOLVENTS			* Waste paint - 7 tons
PSD	PESTICIDES			* Flammable liquid - 55 gallons
OCC	OTHER ORGANIC CHEMICALS			* Nonhazardous liquid waste - 2,145
IOC	INORGANIC CHEMICALS			gallons
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	6.752	gallons	

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

[illegible]

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Facility manifests.

ORIGINAL
(Red)POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
PA 2427

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL☐ ALLEGED

None reported or observed.

01 ☐ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL☐ ALLEGED

None reported or observed.

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL☐ ALLEGED

None reported or observed.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL☐ ALLEGED

None reported or observed.

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL☐ ALLEGED

None reported or observed.

01 ☐ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: _____

(Acres)

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL☐ ALLEGED

None reported or observed.

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL☐ ALLEGED

None reported or observed.

01 ☐ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL☐ ALLEGED

None reported or observed.

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL☐ ALLEGED

None reported or observed.

ORIGINAL
(Red)

**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT**
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	2427

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION02 ☐ OBSERVED (DATE: _____)☐ POTENTIAL☐ ALLEGED

None reported or observed.

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include names of species)02 ☐ OBSERVED (DATE: _____)☐ POTENTIAL☐ ALLEGED

None reported or observed.

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION02 ☐ OBSERVED (DATE: _____)☐ POTENTIAL☐ ALLEGED

None reported or observed.

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills, runoff, standing liquids, leaking drums)02 ☐ OBSERVED (DATE: _____)☐ POTENTIAL☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None reported or observed.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION02 ☐ OBSERVED (DATE: _____)☐ POTENTIAL☐ ALLEGED

None reported or observed.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION02 ☐ OBSERVED (DATE: _____)☐ POTENTIAL☐ ALLEGED

None reported or observed.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION02 ☐ OBSERVED (DATE: _____)☐ POTENTIAL☐ ALLEGED

None reported or observed.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

N/A

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____**IV. COMMENTS****V. SOURCES OF INFORMATION** (Cite specific references, e.g., state files, sample analysis, reports)

Pennsylvania Department of Environmental Resources. File Information.
NUS FIT 3. Preliminary assessment; site visit. TDD No. F3-8903-56, April 26, 1989.

ORIGINAL
(Red)

SECTION 6

6.0 REFERENCES FOR SECTIONS 1.0 THROUGH 5.0

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20. Cole Office Environments. Hazardous Waste Shipping Manifests. Date Unknown.

ORIGINAL
(Red)

APPENDIX A

STEWART
MILLER G. Miller
File

ORIGINAL
(filed)

January 23, 1989

DER
WASTE MANAGEMENT
JAN 26 1989
HARRISBURG REGION

Mr. Michael Steiner
Commonwealth of Pennsylvania
Department of Environmental Resources
Bureau of Solid Waste Management
One Ararat Boulevard
Harrisburg, Pa. 17101

Re: Cole Office Environments
601 Loucks Mill Road
Spring Garden Township
York County

Dear Mr. Steiner:

Enclosed is the analysis of the four (4) monitoring wells located at the Loucks Mill Road facility. This is for the fourth quarter of 1988.

Cordially,

COLE OFFICE ENVIRONMENTS

Edward Falkenstein

Edward Falkenstein
Waste Water Supervisor

Enclosure

EF/vc

BCM**BCM Laboratory Division**1850 Gravers Road
Norristown, PA 19401
(215) 275-0281PLEASE REMIT CHECKS TO:
BCM Eastern Inc.
1 PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462
215-625-3800ORIGINAL
(Reg)**FINAL REPORT**

This is a final report.

The results have been checked and authorized for release.

JAN 20 1989

PAGE : 1

CLIENTCole Office Environmental Inc.
Attn: Frank McOaa
601 Loucksmill Rd
York PA 17405Date : 01/13/89
BCM # : 00-7020-42
P.O.# :
Order# : 25332

BCM Number : 840888

Location : MW-1

Date Sampled : 12/13/88

Date Received : 12/13/88

Client ID : UNFILTERED

Sampler :

Test Description	Results	Units	Test Method
Chloride by CATHY D. MALONEY on 12/27/88			EPA # 325.3
Chloride	29.56	mg/l	
Cyanide by CATHY D. MALONEY on 12/29/88			EPA # 335 (2-3)
Cyanide	.010	mg/l	
Depth to Water by MARY R FISH on 12/14/88			
Depth to water	15.41	ft	
Mercury by GREG HARPEL on 12/15/88			EPA # 245.1
Mercury	< 0.0002	mg/l	
Metal Digestion (No Charge) by BETH JURMAN on 12/16/88			EPA - METALS
Metal Digestion	12/16/88	M/D/Y	
pH - Field by MARY R FISH on 12/14/88			#EPA 150.1
pH	7.51	S.U.	
Sampling by MARY R FISH on 12/14/88			
Sampling Date	12/13/88	mo.day	



BCM Laboratory Division

1850 Gravers Road
Norristown, PA 19401
(215) 275-0281

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1 PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462
215-825-3800

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(Red)

FINAL REPORT

This is a final report.

The results have been checked and authorized for release.

PAGE : 5

CLIENT

Cole Office Environmental Inc.
Attn: Frank McCaa
601 Loucks Mill Rd
York PA 17405

Date : 01/13/89
BCM # : 00-7020-42
P.O. # :
Order# : 25332

BCM Number : 840892

Location : MW-1

Date Sampled : 12/13/88

Date Received : 12/13/88

Client ID : FILTERED

Sampler :

Test Description	Results	Units	Test Method
Arsenic (Graphite Analysis) by GREG HARPEL on 12/16/88			EPA # 206.2
Arsenic	< 0.005	mg/l	
Barium by PRESTON GOLDSTEIN on 01/04/89			EPA # 200.7
Barium	< 0.05	mg/l	
Cadmium (Graphite Analysis) by GREG HARPEL on 01/06/89			EPA # 213.2
Cadmium	< 0.0002	mg/l	
Hexavalent Chromium as Cr by BETH JURMAN on 12/21/88			EPA # 218.5
Hexavalent Chromium	< 0.02	mg/l	
Chromium (Graphite Analysis) by GREG HARPEL on 12/30/88			EPA # 218.2
Chromium	0.001	mg/l	
Copper by PRESTON GOLDSTEIN on 12/20/88			EPA # 200.7
Copper	< 0.02	mg/l	
Metal Digestion (No Charge) by BETH JURMAN on 12/16/88			EPA - METALS
Metal Digestion	12/16/88	M/D/Y	
Nickel by PRESTON GOLDSTEIN on 01/06/89			EPA # 200.7
Nickel	< 0.05	mg/l	
Lead (Graphite Analysis) by GREG HARPEL on 12/21/88			EPA # 239.2
Lead	< 0.002	mg/l	
Selenium by GREG HARPEL on 12/19/88			EPA # 270.2
Selenium	< 0.002	mg/l	
Zinc by PRESTON GOLDSTEIN on 01/06/89			EPA # 200.7
Zinc	< 0.02	mg/l	

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215-825-3800ORIGINAL
(Red)**FINAL REPORT**

This is a final report.

The results have been checked and authorized for release.

PAGE : 2

CLIENTCole Office Environmental Inc.
Attn: Frank McCaa
601 Loucksmill Rd
York PA 17405Date : 01/13/89
BCM # : 00-7020-42
P.O.# :
Order# : 25332

BCM Number : 840889

Location : MW-2

Client ID : UNFILTERED

Date Sampled : 12/13/88

Date Received : 12/13/88

Sampler :

Test Description

	Results	Units	Test Method
Chloride by CATHY D. MALONEY on 12/27/88			
Chloride	28.38	mg/l	EPA # 325.3
Cyanide by CATHY D. MALONEY on 12/29/88			
Cyanide	006	mg/l	EPA # 335.(2-3)
Depth to water by MARY R FISH on 12/14/88			
Depth to water	17.02	ft	
Mercury by GREG HARPEL on 12/15/88			
Mercury	< 0.0002	mg/l	EPA # 245.1
Metal Digestion (No Charge) by BETH JURMAN on 12/16/88			
Metal Digestion	12/16/88	M/D/Y	EPA - METALS
pH - Field by MARY R FISH on 12/14/88			
pH	6.94	S.U.	#EPA 150.1
Sampling by MARY R FISH on 12/16/88			
Sampling Date	12/13/88	mo.day	



BCM Laboratory Division

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ORIGINAL

FINAL REPORT

This is a final report.

The results have been checked and authorized for release.

PAGE : 6

CLIENT

Cole Office Environmental Inc.
Attn: Frank McCaa
601 Loucksmill Rd
York PA 17405

Date : 01/13/89
BCM # : 00-7020-42
P.O. # :
Order# : 25332

BCM Number : 840893

Location : MW-2

Client ID : FILTERED

Date Sampled : 12/13/88

Date Received : 12/13/88

Sampler :

Test Description	Results	Units	Test Method
Arsenic (Graphite Analysis) by GREG HARPEL on 12/16/88			EPA # 206.2
Arsenic	< 0.005	mg/l	
Barium by PRESTON GOLDSTEIN on 01/04/89			EPA # 200.7
Barium	< 0.05	mg/l	
Cadmium (Graphite Analysis) by GREG HARPEL on 01/06/89			EPA # 213.2
Cadmium	0.0033	mg/l	
Hexavalent Chromium as Cr by BETH JURMAN on 12/21/88			EPA # 218.5
Hexavalent Chromium	< 0.02	mg/l	
Chromium (Graphite Analysis) by GREG HARPEL on 12/30/88			EPA # 218.2
Chromium	0.001	mg/l	
Copper by PRESTON GOLDSTEIN on 12/20/88			EPA # 200.7
Copper	< 0.02	mg/l	
Metal Digestion (No Charge) by BETH JURMAN on 12/16/88			EPA - METALS
Metal Digestion	12/16/88	M/D/Y	
Nickel by PRESTON GOLDSTEIN on 01/06/89			EPA # 200.7
Nickel	< 0.05	mg/l	
Lead (Graphite Analysis) by GREG HARPEL on 12/21/88			EPA # 239.2
Lead	< 0.002	mg/l	
Selenium by GREG HARPEL on 12/29/88			EPA # 270.2
Selenium	< 0.002	mg/l	
Zinc by PRESTON GOLDSTEIN on 01/06/89			EPA # 200.7
Zinc	< 0.02	mg/l	



BCM Laboratory Division

1850 Gravers Road
Norristown, PA 19401
(215) 275-0281

PLEASE REMIT CHECKS TO:
BCM Eastern Inc.
1 PLYMOUTH MEETING
PLYMOUTH MEETING, PA 19462
215-825-3800

ORIGINAL
(Red)

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PAGE : 3

CLIENT

Cole Office Environmental Inc.
Attn: Frank McCaa
601 Loucksmill Rd
York PA 17405

Date : 01/13/89
BCM # : 00-7020-42
P.O.# :
Order# : 25332

BCM Number : 840890

Location : MW-3

Client ID : UNFILTERED

Date Sampled : 12/13/88

Date Received : 12/13/88

Sampler :

Test Description

Results

Units

Test Method

Chloride by CATHY D. MALONEY on 12/27/88

Chloride

32.72

mg/l

EPA # 325.3

Cyanide by CATHY D. MALONEY on 12/29/88

Cyanide

< 0.005

mg/l

EPA # 335 (2-3)

Depth to Water by MARY R FISH on 12/14/88

Depth to Water

16.32

ft

Mercury by GREG HARPEL on 12/15/88

Mercury

< 0.0002

mg/l

EPA # 245.1

Metal Digestion (No Charge) by BETH JURMAN on 12/16/88

Metal Digestion

12/16/88

M/D/Y

EPA - METALS

pH - Field by MARY R FISH on 12/14/88

pH

6.95

S.U.

#EPA 150.1

Sampling by MARY R FISH on 12/16/88

Sampling Date

12/13/88

mo.day



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PAGE : 7

CLIENT

Cole Office Environmental Inc.
Attn: Frank McCaa
601 Loucksmill Rd
York PA 17405

Date : 01/13/89
BCM # : 00-7020-42
P.O.# :
Order# : 25332

BCM Number : 840894

Location : MW-3

Client ID : FILTERED

Date Sampled : 12/13/88

Date Received : 12/13/88

Sampler :

Test Description	Results	Units	Test Method
Arsenic (Graphite Analysis) by GREG HARPEL on 12/16/88			EPA # 206.2
Arsenic	< 0.005	mg/l	
Barium by PRESTON GOLDSTEIN on 01/04/89			EPA # 200.7
Barium	0.075	mg/l	
Cadmium (Graphite Analysis) by GREG HARPEL on 01/06/89			EPA # 213.2
Cadmium	0.0005	mg/l	
Hexavalent Chromium as Cr by BETH JURMAN on 12/21/88			EPA # 218.5
Hexavalent Chromium	< 0.02	mg/l	
Chromium (Graphite Analysis) by GREG HARPEL on 12/30/88			EPA # 218.2
Chromium	< 0.001	mg/l	
Copper by PRESTON GOLDSTEIN on 12/20/88			EPA # 200.7
Copper	< 0.02	mg/l	
Metal Digestion (No Charge) by BETH JURMAN on 12/16/88			EPA - METALS
Metal Digestion	12/16/88	M/D/Y	
Nickel by PRESTON GOLDSTEIN on 01/06/89			EPA # 200.7
Nickel	< 0.05	mg/l	
Lead (Graphite Analysis) by GREG HARPEL on 12/21/88			EPA # 239.2
Lead	< 0.002	mg/l	
Selenium by GREG HARPEL on 12/29/88			EPA # 270.2
Selenium	0.002	mg/l	
Zinc by PRESTON GOLDSTEIN on 01/06/89			EPA # 200.7
Zinc	0.025	mg/l	



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PAGE : 4

CLIENT

Cole Office Environmental Inc.
Attn: Frank McCaa
601 Loucksmill Rd
York PA 17405

Date : 01/13/89
BCM # : 00-7020-42
P.O.# :
Order# : 25332

BCM Number : 840891

Location : MW-4

Client ID : UNFILTERED

Date Sampled : 12/13/88

Date Received : 12/13/88

Sampler :

Test Description

Test Description	Results	Units	Test Method
Chloride by CATHY D. MALONEY on 12/27/88			
Chloride	53.81	mg/l	EPA # 325.3
Cyanide by CATHY D. MALONEY on 12/29/88			
Cyanide	< 0.005	mg/l	EPA # 335. (2-3)
Depth to water by MARY R FISH on 12/14/88			
Depth to water	29.84	ft	
Mercury by GREG HARPEL on 12/15/88			
Mercury	< 0.0002	mg/l	EPA # 245.1
Metal Digestion (No Charge) by BETH JURMAN on 12/16/88			
Metal Digestion	12/16/88	M/D/Y	EPA - METALS
pH - Field by MARY R FISH on 12/14/88			
pH	6.72	S.U.	#EPA 150.1
Sampling by MARY R FISH on 12/16/88			
Sampling Date	12/13/88	mo.day	

BCM**BCM Laboratory Division**1850 Gravers Road
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215-825-3800ORIGINAL
(Red)**FINAL REPORT**

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PAGE : 8

CLIENTCole Office Environmental Inc.
Attn: Frank McCaa
601 Loucksmill Rd
York PA 17405Date : 01/13/89
BCM # : 00-7020-42
P.O.# :
Order# : 25332

BCM Number : 840895

Location : MW-4

Client ID : FILTERED

Date Sampled : 12/13/88

Date Received : 12/13/88

Sampler :

Test Description	Results	Units	Test Method
Arsenic (Graphite Analysis) by GREG HARPEL on 12/27/88			EPA # 206.2
Arsenic	< 0.005	mg/l	
Barium by PRESTON GOLDSTEIN on 01/04/89			EPA # 200.7
Barium	< 0.05	mg/l	
Cadmium (Graphite Analysis) by GREG HARPEL on 01/06/89			EPA # 213.2
Cadmium	< 0.0002	mg/l	
Hexavalent Chromium as Cr by BETH JURMAN on 12/21/88			EPA # 218.5
Hexavalent Chromium	< 0.02	mg/l	
Chromium (Graphite Analysis) by GREG HARPEL on 12/30/88			EPA # 218.2
Chromium	0.001	mg/l	
Copper by PRESTON GOLDSTEIN on 12/20/88			EPA # 200.7
Copper	< 0.02	mg/l	
Metal Digestion (No Charge) by BETH JURMAN on 12/16/88			EPA - METALS
Metal Digestion	12/16/88	M/D/Y	
Nickel by PRESTON GOLDSTEIN on 01/06/89			EPA # 200.7
Nickel	< 0.05	mg/l	
Lead (Graphite Analysis) by GREG HARPEL on 12/21/88			EPA # 239.2
Lead	< 0.002	mg/l	
Selenium by GREG HARPEL on 12/29/88			EPA # 270.2
Selenium	0.003	mg/l	
Zinc by PRESTON GOLDSTEIN on 01/06/89			EPA # 200.7
Zinc	0.036	mg/l	

BCM**BCM Laboratory Division**1850 Gravers Road
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215-825-3800ORIGINAL
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PAGE : 9

CLIENTCole Office Environmental Inc.
Attn: Frank McCaa
601 Loucksmill Rd
York PA 17405Date : 01/13/89
BCM # : 00-7020-42
P.O. # :
Order# : 25332

BCM Number : 840895

Location : MW-4

Client ID : FILTERED

Date Sampled : 12/13/88

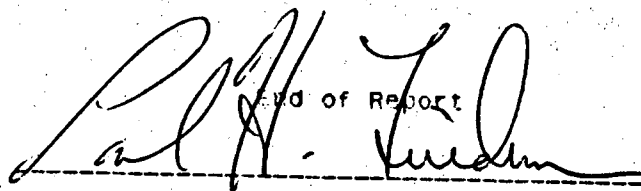
Date Received : 12/13/88

Sampler :

Test Description

Results Units Test Method

Certified by :


Head of Report

BCM Laboratory Director

Lab Certifications:PA - 46-007
AL - 40300NJ - 77175
MD - 136

EPA BULK ASBESTOS QC - 3339

ORIGINAL
1994

APPENDIX B

FACILITY ID: PAD052917846
OWNERSHIP: PUBLIC, OTHER
STATUS: EXISTING OPERATION
LAST UPDATE: 81/01/22

MAILING ADDRESS: 640 WHITEFORD RD
YORK

PA 17405

NAME: COLE DIV LITTON BUSINESS SYSTEMS INC
ADDRESS: 640 WHITEFORD RD
YORK PA 17405

CONTACT: RICHARDS RICHARD VP OPERA
PHONE: (717) 854-1545
OWNER NAME: LITTON INDUSTRIES

TRANSPORTATION MODE:

GENERATOR: X
TRANSPORTER:
TSD: X
UIC:

PERMIT STATUS:

-----SIC-CODE INFORMATION-----

2522 METAL OFFICE FURNITURE

EXISTING EPA PERMITS:

TYPE: NUMBER:

-----GEOGRAPHIC INFORMATION-----

COUNTY: 133
REGION: 03
DISTRICT:
RIVER BASIN:
LATITUDE: : :
LONGITUDE: : : .

-----DATE INFORMATION-----

EXIST DATE: 00/00/00

-----RECEIPT-----

NOTIFICATION: 80/08/18
PART A PERMIT: 80/11/19

-----ACKNOWLEDGEMENT-----

NOTIFICATION: 80/10/09
INTERIM STATUS: 00/00/00

ORIGINAL
(Red)

WASTE INFORMATION

[illegible]

BUREAU OF SOLID WASTE MANAGEMENT
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

PR-SWM-63: Rev. 3/82

ORIGINAL

I. INSTALLATION'S EPA ID. NUMBER

P A D 0 5 2 9 1 7 8 4 6

II. NAME OF INSTALLATION

Cole Division - Joyce International, Inc.

III. INSTALLATION MAILING ADDRESS

STREET OR P. O. BOX

640 Whiteford Road, P.O. BOX M-26

CITY OR TOWN

YORK

ST.

P A

ZIP CODE

17405

IV. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER

640 Whiteford Road

MUNICIPALITY

Springettsbury Township

CITY OR TOWN

YORK

ST.

P A

ZIP CODE

17405

COUNTY

York

V. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)

Bowers, Bruce V., Manager of Environmental Affairs

PHONE NO. (area code & no.)

7 1 7 8 5 4 1 5 4

VI. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER

Joyce International, Inc.

B. TYPE OF OWNERSHIP

(enter the appropriate letter into box)

F - FEDERAL M - NON-FEDERAL

M

VII. SIC CODES (4-digit in order of priority)

A. FIRST

(specify) Same as original notification

C. THIRD

(specify)

B. SECOND

(specify)

D. FOURTH

(specify)

VIII. TYPE OF HAZARDOUS WASTE ACTIVITY

- ☒ A. GENERATION ☐ C. STORE ☐ E. TRANSPORTATION (COMPLETE ITEM IX) ☐ G. REUSE, RECYCLE, RECLAIM
☐ B. TREAT ☐ D. DISPOSE ☐ F. PERMIT BY RULE ☐ H. OTHER (specify):

IX. MODE OF TRANSPORTATION (transporters only)

- ☐ A. AIR ☐ B. RAIL ☐ C. HIGHWAY ☐ D. WATER ☐ E. OTHER (specify):

X. EXISTING ENVIRONMENTAL PROGRAM PERMITS

A. NPDES (Discharges to Surface Water)

D. PSD (Air Emissions from Proposed Sources)

B. UIC (Underground Injection of Fluids)

E. SOLID WASTE

C. RCRA (Hazardous Wastes)

F. OTHER

Same as original notification

XI. TYPE OF NOTIFICATION

Mark "X" in appropriate box to indicate whether this is your installation's first notification of hazardous waste activity, or notification of a change of general information, hazardous waste handled, or hazardous waste activity. If you check B, C, D, E, or F, attach a letter of explanation (SEE INSTRUCTIONS).

- ☐ A. FIRST NOTIFICATION ☐ C. DELETION OF A WASTE ☐ E. DELETION OF AN ACTIVITY
☒ B. CHANGE OF GENERAL INFORMATION ☐ D. ADDITION OF A WASTE ☐ F. ADDITION OF AN ACTIVITY

CONTINUE ON REVERSE

ORIGINAL
(Red)

XII DESCRIPTION OF HAZARDOUS WASTES (Continued from front)

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES. Enter the four-digit number from 575.281(h)(2) for each listed hazardous waste from non-specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
7	8	9	10	11	12

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 575.281(h)(3) each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 575.281(h)(4) for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 575.281(g)(2) through (5))

☐ 1. IGNITABLE☐ 2. CORROSIVE☐ 3. REACTIVE☐ 4. EXTENSIVE

XIII CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE

NAME and OFFICIAL TITLE (Type or Print)

Bruce V. Bowers

Manager of Environmental Affairs

DATE SIGNED

FOR OFFICIAL USE ONLY

BUREAU OF SOLID WASTE MANAGEMENT
NOTIFICATION OF HAZARDOUS WASTE ACTIVITYORIGINAL
(Red)

I. INSTALLATION'S EPA ID NUMBER

PA D 09 8 7 3 7 7 9 4

II. NAME OF INSTALLATION

Cole Division - Joyce International, Inc.

III. INSTALLATION MAILING ADDRESS

STREET OR P. O. BOX

640 Whiteford Road., P.O. BOX M-26

CITY OR TOWN

YORK

ST.

ZIP CODE

PA

17405

IV. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER

601 Loucks Mill Road

MUNICIPALITY

Spring Garden Township

CITY OR TOWN

York

ST.

ZIP CODE

COUNTY

PA

17405

York

V. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)

Bowers, Bruce V. Manager of Environmental Affairs

PHONE NO. (area code & no)

717 854 154

VI. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER

Joyce International, Inc.

B. TYPE OF OWNERSHIP

(enter the appropriate letter into box)

F - FEDERAL M - NON-FEDERAL

M

VII. SIC CODES (4-digit in order of priority)

A. FIRST

(specify)

Same as original notification

C. THIRD

(specify)

B. SECOND

(specify)

D. FOURTH

(specify)

II. TYPE OF HAZARDOUS WASTE ACTIVITY



A. GENERATION



C. STORE



E. TRANSPORTATION



G. REUSE, RECYCLE, RECLAIM



B. TREAT



D. DISPOSE



F. PERMIT BY RULE



H. OTHER (specify):

IX. MODE OF TRANSPORTATION (transporters only)



A. AIR



B. RAIL



C. HIGHWAY



D. WATER



E. OTHER (specify):

X. EXISTING ENVIRONMENTAL PROGRAM PERMITS

A. NPDES (Discharges to Surface Water)

B. PSD (Air Emissions from Proposed Sources)

B. UIC (Underground Injection of Fluids)

E. SOLID WASTE

C. RCRA (Hazardous Wastes)

F. OTHER

Same as original notification

JUL 26 1984

(specify)

XI. TYPE OF NOTIFICATION

Mark "X" in appropriate box to indicate whether this is your installation's first notification of hazardous waste activity, or notification of a change of general information, hazardous waste handled, or hazardous waste activity. If you check B, C, D, E, or F, attach a letter of explanation (SEE INSTRUCTIONS).



A. FIRST NOTIFICATION



C. DELETION OF A WASTE



E. DELETION OF AN ACTIVITY



B. CHANGE OF GENERAL INFORMATION



D. ADDITION OF A WASTE



F. ADDITION OF AN ACTIVITY

CONTINUE ON REVERSE

ORIGINAL
(Red)

XII DESCRIPTION OF HAZARDOUS WASTES (Continued from front)

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES. Enter the four-digit number from 575.261(h)(2) for each listed hazardous waste from non-specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
7	8	9	10	11	12

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 575.261(h)(3) each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 575.261(h)(4) for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 575.261(g)(2) through (5))

☐ 1. IGNITABLE ☐ 2. CORROSIVE ☐ 3. REACTIVE ☐ 4. EXTREMELY TOXIC

XIII CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE

NAME and OFFICIAL TITLE (Type or Print)

DATE SIGNED

Bruce V. Bowers
Manager of Environmental Affairs

FOR OFFICIAL USE ONLY

31

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(Red)

APPENDIX C

Joe Merck
EPA
ORIGINAL
(Red)

HAZARDOUS WASTE INSPECTION REPORT
Generators - Part A

8-21-87

8-25-87

Date of inspection 8-21-87 + 8-25-87 Time start 9:30 AM Time finish 10:30 AM

Name of inspector David Vallerio + Bob Stewart

Company, installation name Cole Office Environment

Location Louks Mill Rd York, PA

County York Municipality Spring Garden

Identification number PAD 098737794

Name of responsible official Bruce Bowers

Title Env. Mgr.

Mailing address 640 Whiteford Rd York, PA 17405

Area code and phone no. 717 - 854-1545

Name of person interviewed Ed Falkenstein + Bruce Bowers

Title WASTE WATER Plant Supervisor + Env. Mgr.

Mailing address (if different from above) Same

Area code and phone no. Same

1. Current waste handling method:

- a. ☒ On-site ☐ treatment ☒ storage, ☐ disposal
- b. ☒ On-site ☐ use, ☐ reuse, ☒ recycle, ☐ reclaim
- c. ☒ Off-site ☐ treatment, ☐ storage, ☒ disposal
- d. ☒ Off-site ☐ use, ☐ reuse, ☒ recycle, ☐ reclaim

beginning to operate
a solvent distilling
operations

2. Amount of hazardous waste produced:

- a. approx 45,000 lb/yr kg./mo.
- b. _____ kg./yr.

3. Types of hazardous waste produced by Hazardous Waste Number:

0001, F005, F006 (The plating operations have ceased
and F006 production should cease in
the near future)

4. Are hazardous wastes transported off-site by the generator? ☐ Yes ☒ No

HAZARDOUS WASTE INSPECTION REPORT
Generators - Part B

ORIGINAL
1/29/91

1 - NON-COMPLIANCE, 2 - COMPLIANCE, 3 - NOT APPLICABLE, 4 - NOT DETERMINED

COMPLIANCE STATUS				REQUIREMENT	CHAPTER CITATION
1	2	3	4		
X				Identification number	(c) (1)
X				Hazardous waste shipments offered only to licensed transporters	(c) (4)
X				Authorization received from TSD facility for wastes shipped off-site	(d)
X				PA manifest used for intrastate shipments (e)(2)	(e)(1)
X				Disposer state manifest or EPA format manifest used for out-of-state shipments (e)(3)	(e)(1)(i)
X				Manifests filled out properly and completely (e)(7)	(e)(1)
X				Manifests routed properly and within time limits (7 days) (24 hours) (e)(14) or (15)	(e)(1)(ii)
X				Proper U.S. DOT shipping containers or packages	(f) (1)
X				Shipping containers marked and labeled according to U.S. DOT	(f) (1) (i)
X				Containers of 100 gal. or less marked with required PA label	(f) (1) (i)
X				Placards offered to transporter	(f) (2)
X				Wastes accumulated on-site for less than 90 days	(g) (1)
X				Wastes stored in proper containers and properly marked and labeled	(g) (1)
X				Containers managed in accordance with 75.265 (g)(1) - (9)	(g) (1)
X				Containers clearly marked with accumulation date and visible for inspection	(g) (1)
X				Records retained at designated location for 20 years	(h)
X				Quarterly reports submitted to the Department	(i)
X				Exception reporting procedures followed	(j)
X				Hazardous waste disposal plan, if required	(l)
X				Spill reporting procedures followed	(m) (1)
X				Preparedness, Prevention and Contingency Plan approved and implemented	(m) (5)
X				Special requirements followed for international shipments	(o)
X				On the job or classroom personnel training program [75.265(f)]	(g)(1)(v)
X				Drum accumulation area inspected & inspection logged daily as per 75.265(i)(5)	(g)(1)(ii)
				WEEKLY	
				PERSONNEL TRAINING	

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(Red)

Permit By Rule

Chapter Citation

Requirements

Compliance Status

1 2 3 4

75.264(d)(2)(i)	Active portion has 24 hour surveillance.		X		
75.264(d)(2)(ii)	Artificial barrier surrounds active portion.		X		
75.264(d)(3)	Proper signs are posted.		X		
75.264(e)(2)(i)	Inspection schedule is on-site.		X		
75.264(e)(2)	Inspections are conducted as per inspection plan.		X		
75.264(e)(4)	Deterioration and/or malfunctions of equipment corrected as revealed by inspections.		X		
75.264(e)(4)	Immediate remedial action taken when a hazard is imminent or already present.			X	
75.264(e)(5)	Inspection log is maintained and utilized properly.		X		
75.264(h)(2)(i)	Facility is equipped with internal alarm system capable of providing immediate emergency instruction to personnel.		X		
75.264(h)(2)(ii)	Facility is capable of summoning outside emergency assistance.		X		
75.264(h)(2)(iii)	Facility is equipped with spill and decontamination control equipment.		X		
75.264(h)(3)	Facility communications and/or alarm systems and spill and decontamination control equipment is periodically tested and maintained. <i>check</i>		X		
75.264(h)(6)	Adequate aisle space is maintained to allow unrestricted access for personnel and emergency equipment.		X		
75.264(i)(9)	A copy of the PPC plan and all revisions to the plan is available at the facility. <i>needs minor updating</i>		X		
75.264(i)(6)	The contingency plan contains an up-to-date list of names, addresses and phone numbers of all persons qualified to act as emergency coordinator.		X		
75.264(i)(11)	One employee is designated as the primary emergency coordinator and is either on-site or on call at all times.		X		
75.264(k)(1)	Operating records are maintained at the facility. Records contain the following:		X		
75.264(k)(2)	Description and quantities of wastes treated and discharged under PBR.		X		
75.264(k)(2)(iii)	Results of waste analyses and trial tests performed under 264(g) or 265(y).		X		
75.264(k)(2)(iv)	Summary reports and details of any incidents requiring implementation of the contingency plan.			X	
75.264(k)(2)(v)	Results of all on-site inspections, including those outlined in 265(y)(6) below.		X		
75.264(m)(2)	Emissions, discharges, fires, explosions and groundwater contamination reported to the Department as required.		X		
75.264(m)(3)	Records maintained under Section 264(k) are available to the Department.		X		
75.265(y)(2), (8), (9), (10), 75.265(q)	Special precautions are taken to prevent accidental ignition or reaction of hazardous wastes.		X		
75.265(y)(3)	Hazardous waste or treatment reagents are not placed in a treatment process or equipment if they could cause it to rupture, leak, corrode or otherwise fail.		X		
75.265(y)(4)	Continuously fed equipment is fitted with a means of stopping the inflow.			X	

*How
Thorough*

*How
Thorough*

HAZARDOUS WASTE INSPECTION REPORT
Part C - Comments

ORIGINAL
(Red)

Date of Inspection 8-24-87 & 8-25-87 Identification Number PA0 098 737 799

Company, Installation Name Cole Office Environment

County York Municipality Spring Garden Twp

→ Cole has at this time has approx (49) 55gal drums of waste paint that they are in the process of solidifying and disposing of with Waste Conversions. The drums ~~are~~ are stored outside of the Hazardous Waste Storage area in unsecured, unlabelled drums. Some of these drums have been here for years. A Notice of Violation will be issued for improper storage, labeling and disposal of Hazardous Waste.

→ Inspections required under § 75.265 (y)(6) are conducted but not completely documented. Operator stated he will upgrade his logs.

→ Several drums of waste paint thinner were found to be unlabeled with proper DOT labels (they were however identified)

→ Quarterly reports for 1st & 2nd Quarter 1987 were late to department, but have now been sent to the department.

This inspection report is official notification that a representative of the Department of Environmental Resources, Bureau of Solid Waste Management, inspected the above installation. The findings of this inspection are shown in this report. Any violations which were uncovered during the inspection are indicated. Violations may also be discovered upon examination of the results of laboratory analyses and review of Department records. Notification will be forthcoming, confirming any violations indicated herein and listing any additional violations.

Person Interviewed (signature) [Signature]

Date 8-25-87

Inspector (signature) David Voller

Date 8-25-87

ORIGINAL
(Red)

APPENDIX D

ORIGINAL
(red)

APPENDIX E

[illegible]

PLANT LMR-PHOSPHATE

MONTH

JUNE

YEAR

92

2

EFFLUENT

ORIGINAL
(400)

DATE	PH	TSS	PT	Cr ⁺	Cr ⁺⁺	FE	Al	ZN	
12									
13									
14	8.5	61	882	.18	100	45	.36	1.4	MG/L
15	8.4	100	844	.25	88	39	.53	1.4	"
16	8.2	60	390	.35	64	36	.52	1.6	"
17	8.2	30	466	.24	59	27	.40	2.5	"
18	8.0	54	610	.24	72	27	.47	2.0	"
Ave	8.3	61	638	.25	77	34	.38	1.8	"
19									
20									
21	7.6	31	482	.15	41	29	.20	1.2	"
22	8.7	73	888	.08	87	51	.28	1.7	"
23	8.5	71	1100	.08	94	42	.22	1.0	"
24	8.5	94	770	.15	57	35	.24	1.0	"
25	8.6	65	500	.10	56	36	.32	.90	"
Ave	8.4	67	748	.11	67	39	.25	1.2	"
26									
27									
28	8.7	40	474	.15	40	19	.21	.90	"
29	9.2	64	914	.07	70	59	.32	1.7	"
30	9.6	29	564	.12	34	54	.38	1.3	"
1	9.5	140	116	.06	18	47	.24	2.1	"
2	1.3	1700	390	.12	36	40	.38	2.0	"
Ave	7.7	395	492	.10	40	44	.31	1.6	"
Monthly Ave									
Ave	8.4	67	675	.17	73	53	.32	1.7	

ORIGINAL
(Red)

APPENDIX F

YEAR 82

2

[illegible]

PLANT EMR-ZINC

MONTH

AUG-SEPT

YEAR

82

2

EFFLUENT

ORIGINAL
(Red)

DATE	PH	TSS	PT	Cr ^T	Cr ^{Tb}	Fe	AL	ZN	
14									
15									
16	BAD SAMPLE	41	.229	.04	.014	11	88	67	MG/L
17	BAD SAMPLE	21.0	.397	.04	.026	11	22	22	"
18	9.7	21	.348	.03	.010	3.1	20	6.6	"
19	9.7	32	.520	.11	.011	5.5	13	13	"
20	9.0	30	.309	.11	.010	4.6	10	11	"
Ave	9.5	25	.361	.06	.014	7.0	3.1	24	"
21									
22									
23	8.9	18	.174	.04	.010	2.5	7.0	8.4	"
24	5.8	350	1.62	1.4	.010	200	9.0	29	"
25	9.9	22	.220	.48	.010	6.4	17	9.2	"
26	9.0	35	.492	.32	.010	5.1	16	6.7	"
27	6.3	140	.101	.21	.046	54	15	52	"
Ave	8.0	113	.521	.49	.010	54	13	21	"
28									
29									
30	8.7	3.6	.178	.48	.010	24	4.2	18	"
31	9.1	15	.170	.49	.010	4.4	9.6	10	"
1			SHUT DOWN						
2			SHUT DOWN						
3									
Ave	8.9	9.3	.174	.49	.010	14	7.0	14	
Hourly Ave.	8.9	23	.403	.03	.010	5.5	19	11	